Attorney/Docket No. 34003.30 Customer No. 000027683



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 1762

Serial No. 09/852,992

888888

Filed: May 10, 2001

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For:

System and Method for Controlling Deposition Parameters in Producing a Surface to Tune the Surface's Plasmon Resonance Wavelength

Examiner: Unknown

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited references are listed chronologically and are not in any order based on their pertinence.

This Information Disclosure Statement is being filed within three months of the United States filing date or before the mailing date of a first Office Action on the merits. No certification or fee is required (37 CFR §1.97(b)).

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

ubmitted.

ndall C. Brown

Registration No. 31,213

901 Main Street, Suite 3100 Dallas, Texas 75202-3789 Telephone: 214-651-5242 Facsimile: 214-651-5940

File: 34003.30 D1167744.1

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-

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In place of PTO-1449

U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

OF

09/852,992

Form

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number May 10, 2001 Filing Date Weimer Applicant(s) 1762 Art Unit **Examiner Name** Unknown 34003.30 Attorney Docket Number

Complete if Known

U. S. PATENT DOCUMENTS								
Examiner's Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document				
-		-						

FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Foreign Patent Document (Country Code - Number - Kind)	Publication Date	Patentee or Applicant of Cited Document	Translation YN		
		Country code - Number - Nava					
		800 18000					

OTHER PRIOR ART				
Examiner's Initials		Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume- issue number(s), publisher, city/country where published		
	AA	Schlegel et al., "Silver-Island Films as Substrates for Enhanced Raman Scattering: Effect of Deposition Rate on Intensity", Anal. Chemistry, 1991, Volume 63, pages 241-247		
	AB	Van Duyne, et al., "Atomic Force Microscopy and Surface-Enhanced Raman Spectroscopy! Ag Island Films and Ag Film Over Polymer Nanosphere Surfaces Supported on Glass," <i>J. Phys. Chem.</i> , Volume 99(3), August 1, 1993, pages 2101-2115.		
	AC	Levlin et al., "Evaporation of Gold Thin Films on Mica: Effect of Evaporation Parameters", Applied Surface Science, Volume 115, 1997, pages 31-38.		
	AD	Hulteen et al., "Nanosphere Lithography: Size-Tunable Silver Nanoparticle and Surface Cluster Arrays", <i>J. Phys. Chem. B</i> 1999, Volume 103, pages 3854-3863.		
	AE	Jensen et al., "Nanosphere Lithography: Surface Plasmon Resonance Spectrum of a Periodic Array of Silver Nanoparticles by Ultraviolet – Visible Extinction Spectroscopy and Electrodynamic Modeling", <i>J. Phys. Chem. B</i> 1999, Volume 103, pages 2394-2401.		
	AF	Jensen et al., "Nanosphere Lithography: Effect of the External Dielectric Medium on the Surface Plasmon Resonance Spectrum of a Periodic Array of Silver Nanoparticles", <i>J. Phys. Chem. B</i> , 1999, Volume 103, pages 9846-9853.		
	AG	Link et al., "Shape and Size Dependence of Radiative, Non-Radiative and Photothermal Properties of Gold Nanocrystals", Int Reviews in Physical Chemistry, 2000, Volume 19, No. 3, pages 409-453.		
	AH	Haynes et al., "Nanosphere Lithography: A Versatile Nanofabrication Tool for Studies of Size-Dependent Nanoparticle Optics", J. Phys. Chem. B, 2001, Volume 105, pages 5599-5611.		
	Al	Malinsky et al., "Nanosphere Lithography: Effect of Substrate on the Localized Surface Plasmon Resonance Spectrum of Silver Nanoparticles", <i>J. Phys. Chem. B</i> , 2001, Volume 105, pages 2343-2350.		
	AJ	Malinsky et al., "Chain Length Dependence and Sensing Capabilities of the Localized Surface Plasmon Resonance of Silver Nanoparticles Chemically Modified with Alkanethiol Self-Assembled Monolayers", <i>J. Am. Chem. Soc.</i> , 2001, Volume 123, pages 1471-1482.		
	AK	Levlin et al., "Evaporation of Silver Thin Films on Mica," <i>Applied Surface Science</i> Volume 171, 2001, Pages 257-264.		

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Customer No. 000027683 D1167746.1